

Listing of Claims

The following listing of claims is intended to supercede all previously filed listings of claims. Changes are shown with deletions in ~~striketrough~~ and additions underlined.

Kindly enter the following amendments to the claims:

Claims 1-18 (cancelled).

Claim 19 (currently amended). An unmanned mobile vehicle for ~~measuring~~movable within a stable for measuring the meteorological conditions within a ~~the~~ stable, ~~which comprises~~comprising:

a vehicle body; and

at least two sensors positioned on said vehicle body and selected from ~~the following~~a group of sensors ~~which consist~~consisting of a temperature sensor, an air velocity sensor, a gas sensor, an ammonia sensor, a light sensor, an air pressure sensor, and an air humidity sensor.

Claim 20 (previously presented). A vehicle in accordance with Claim 19, wherein said one of said sensors is a gas sensor which senses ammonia.

Claim 21 (previously presented). A vehicle in accordance with claim 19, wherein said light sensor determines the intensity of light.

Claim 22 (previously presented). A vehicle in accordance with Claim 19, wherein one of said sensors is an air pressure sensor.

Claim 23 (previously presented). A vehicle in accordance with claim 19, wherein at least one of said sensors is an air humidity sensor.

Claim 24 (previously presented). A vehicle in accordance with Claim 19, wherein said two

sensors comprise an air pressure sensor and an air humidity sensor.

Claim 25 (previously presented). A vehicle in accordance with Claim 19, wherein at least two of said sensors are disposed at different levels on a carrier which is part of the vehicle.

Claim 26 (currently amended). A vehicle in accordance with Claim 19, ~~wherein said two sensors are disposed on~~further comprising a carrier ~~which is part of~~positioned on the vehicle body and wherein the two sensors are disposed on said carrier and at least one of said two sensors is adjustable in height relative to the vehicle body.

Claim 27 (currently amended). A vehicle in accordance with Claim 19, further comprising a data processing unit ~~that stores~~for storing data from at least two of said sensors.

Claim 28 (currently amended). A vehicle in accordance with Claim 19, ~~which comprises~~further comprising a processing unit for processing data from at least two of said sensors.

Claim 29 (currently amended). A vehicle in accordance with Claim 19, ~~which comprises~~further comprising a control unit for ~~processing~~controlling data from at least two of said sensors.

Claim 30 (currently amended). A vehicle in accordance with Claim 19, ~~which comprises~~further comprising a memory for registering data from at least two of said sensors.

Claim 31 (cancelled).

Claim 32 (currently amended). A vehicle in accordance with Claim 19, ~~which comprises~~further comprising alarm means for providing an alarm signal when the climate in said stable ~~has become~~reaches a predetermined uncontrollable state.

Claim 33 (currently amended). A vehicle in accordance with Claim 19, further comprising a transmitter unit, said transmitter unit transmitting data from at least two of said sensors to a registration unit.

Claim 34 (currently amended). A vehicle in accordance with Claim 19, ~~which~~ comprises further comprising a transmitter unit that transmits control signals derived from the data of at least two of said sensors to a registration unit.

Claim 35 (currently amended). A vehicle in accordance with Claim 19, ~~which~~ comprises further comprising a transmitter unit that transmits data from at least two of said sensors to a control unit.

Claim 36 (currently amended). A vehicle in accordance with Claim 19, ~~which~~ comprises further comprising a transmitter unit that transmits signals derived from data from at least two of said sensors to a control unit.

Claim 37 (currently amended). A vehicle in accordance with Claim 19, ~~which~~ comprises further comprising navigation means for guiding the vehicle ~~through said stable~~ body.

Claim 38 (currently amended). A vehicle in accordance with Claim 19, ~~which~~ comprises further comprising an animal identification system.

Claim 39 (currently amended). A vehicle in accordance with Claim 19, ~~which~~ comprises further comprising a camera positioned on the vehicle body.

Claim 40 (currently amended). A vehicle in accordance with Claim 19, ~~which~~ comprises further comprising a radar positioned on the vehicle body.

Claim 41 (cancelled).

Claim 42 (currently amended). A vehicle in accordance with Claim 19, ~~which~~
~~comprises~~further comprising a data management system, at least two of said sensors collecting
data which are stored in said data management system.

Claim 43 (currently amended). A vehicle in accordance with Claim 19, ~~which~~
~~comprises~~further comprising feed modification means.

Claim 44 (previously presented). A vehicle in accordance with Claim 43, wherein said feed
modification means modifies the quantity of feed supplied to animals in said stable when the
climate in said stable changes.

Claim 45 (previously presented). A vehicle in accordance with Claim 43, wherein said feed
modification means modifies the composition of feed supplied to animals in said stable when the
climate in said stable changes.

Claim 46 (previously presented). A vehicle in accordance with Claim 44, wherein said feed
modification means increases the quantity of feed which is supplied to animals in said stable
when the temperature in said stable falls below approximately 4°C.

Claim 47 (currently amended). An unmanned mobile vehicle ~~for measuring~~movable within a
stable for measuring the meteorological conditions within a ~~the~~ stable, ~~which~~
~~comprises~~comprising:

a vehicle body;

a carrier mounted on said vehicle body;

a temperature sensor, an air velocity sensor, and an air humidity sensor, said sensors
~~being~~ mounted on a ~~said~~ carrier ~~which is part of the vehicle;~~ and

means for adjusting ~~the~~ a height of at least one of said sensors relative to the ~~remaining~~

parts of the vehicle body.

Claim 48 (currently amended). An unmanned mobile vehicle ~~for use in~~ movable within a stable, ~~which comprises~~ comprising:

a vehicle body; and

detection means positioned on said vehicle body for determining the climate in the stable.

Claim 49 (currently amended). An unmanned mobile vehicle in accordance with Claim 48, wherein said detection means comprises a temperature sensor.

Claim 50 (currently amended). An unmanned mobile vehicle for use in a process of maintaining the health and comfort of animals in a stable ~~which vehicle is adapted to move and~~ movable along the floor of said ~~the~~ stable ~~and comprises to measure meteorological conditions within the stable, comprising~~:

a vehicle body; and

two sets of sensors positioned on said vehicle body, each set of said sensors ~~comprising~~ including a temperature sensor and ~~an~~ a humidity sensor, one of said sets being mounted on an elevating means of ~~the~~ said vehicle body whereby said one set of sensors is adapted to be elevated to different selected heights in the stable relative to the floor of the stable.

Claim 51 (currently amended). An unmanned mobile vehicle ~~for use in a process of~~ maintaining the health and comfort of animals in a stable in accordance with Claim 50, wherein said one set of sensors further comprises a light intensity sensor and an air pressure sensor.